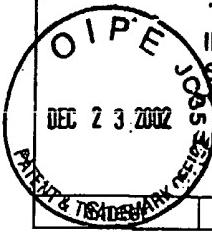


INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>Form PTO-1449 (Modified) Use several sheets if necessary)</small>				COMPLETE IF KNOWN	
 <small>DEC 23 2002</small>		Application Number	09/893,315		
		Confirmation Number	2812		
		Filing Date	June 26, 2001		
		First Named Inventor	Timothy Reardon		
		Group Art Unit	1734		
		Examiner Name	Jerry A. Lorendo		
		Attorney Docket No.	29195-8161US		

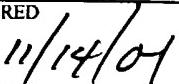
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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document
		NUMBER	Kind Code (if known)		
GRK		4,339,297		Aigo	07/13/82
		4,788,994		Shinbara	12/06/88
		5,085,560		Thompson et al.	02/04/92
		5,168,887		Thompson et al.	12/08/92
		5,222,310		Thompson et al.	06/29/93
		5,235,995		Bergman et al.	08/17/93

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Examiner Initial	Cite No.	Foreign Patent or Application		Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document
		Office	NUMBER		
GRK	-	JP	*55-069817	Fujitsu Ltd.	05/26/80
	-	JP	*55-174652	Hitachi Ltd.	03/03/83
	-	JP	*61-139314	Electro Plating Engineers of Japan Ltd.	12/24/87
	-	JP	*63-153839	Dainippon Screen Mfg Co.	06/27/88
	-	JP	*62-36974	Kansai NEC Corp.	09/21/88
	-	JP	*62-66262	Hitachi Ltd.	09/28/88
	-	JP	*62-194881	Sanyo Electric Co. Ltd.	02/09/89
	-	JP	*62-278528	Mitsubishi Electric Corp	05/12/89
	-	JP	*01-129156	NEC Corp	05/22/89
	-	JP	*63-165764	Fujitsu Ltd.	01/19/90

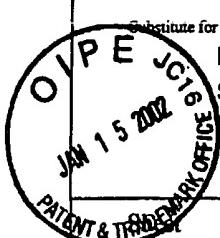
OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.			
GRK		PATTON, Evan E., "Automated Gold Plate-Up Bath Scope Document and Machine Specifications," Tektronix, August 4, 1989; pp 1-13.			

EXAMINER		DATE CONSIDERED	
<small>*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).</small>			

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COMPLETE IF KNOWN	
Application Number	09/893,315
Confirmation Number	2812
Filing Date	06/26/2001
First Named Inventor	Timothy J. Reardon et al.
Group Art Unit	1734
Examiner Name	
Attorney Docket No. 29195.8161US	

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	Cite No.	U.S. Patent Document NUMBER	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GRK	• 2,774,364		Brobeil	12/18/56	
	• 3,107,034		Dunnous	10/15/63	
	• 3,148,085		Wiegmann	9/8/64	
	• 3,313,266		Kelson	4/11/67	
	• 3,326,717		Gregor et al.	6/20/67	
	• 3,339,297		Stinn et al.	9/5/67	
	• 3,489,608		Jacobs et al.	1/13/70	
	• 3,585,668		Jaccodine et al.	6/22/71	
	• 3,601,627		Booher	8/24/71	
	• 3,727,620		Orr	4/17/73	
	• 3,773,578		Glendinning et al.	11/20/73	
	• 4,056,462		Li et al.	11/1/77	
	• 4,065,692		Osterhout	12/27/77	
	• 4,085,560		McClosky	4/25/78	
	• 4,094,884		Kelly	6/13/78	
	• 4,127,362		Fladby	11/28/78	
	• 4,139,333		Sipos	2/13/79	
	• 4,159,917		Gluck	7/3/79	
	• 4,161,356		Giffin et al.	7/17/79	
	• 4,168,886		Grigaliunas	9/25/79	
	• 4,168,887		Yevick	9/25/79	
	• 4,183,508		Michelet et al.	1/15/80	
	• 4,192,087		Salomon	3/11/80	
	• 4,222,345		Bergfelt et al.	9/16/80	
✓	• 4,224,503		Gijzel et al.	9/23/80	

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Attorney Docket No.

29195.8161US

COMPLETE IF KNOWN			
Application Number	09/893,315 <th>CONFIRMATION NUMBER</th> <td>2812</td>	CONFIRMATION NUMBER	2812
FILING DATE	06/26/2001	FIRST NAMED INVENTOR	Timothy J. Reardon et al.
GROUP ART UNIT	1734	EXAMINER NAME	
• 4,232,328	Hartman et al.	11/4/80	
• 4,252,137	Cohen	2/24/81	
• 4,264,374	Beyer et al.	4/28/81	
• 4,267,212	Sakawaki	5/12/81	
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• 4,313,266	Tam	2/2/82	
• 4,339,297	Aigo	7/13/82	
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• 4,437,812	Abu-Shumays et al.	3/20/84	
• 4,457,259	Samuels	7/3/84	
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• 4,475,665	Norton	10/9/84	
• 4,483,665	Hauser	11/20/84	
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• 4,601,627	Oka et al.	7/22/86	
• 4,605,479	Faith, Jr.	8/12/86	
✓ • 4,651,440	Karl	3/24/87	

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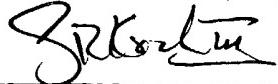
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				JAN 18 2002 RECEIVED 160	
	3	of	6	Attorney Docket No. 29195.8161US	
GRK					
•	4,668,334	Doornveld		5/26/87	
•	4,687,542	Davis et al.		8/18/87	
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•	4,709,858	Stern et al.		12/1/87	
•	4,724,317	Brown et al.		2/9/88	
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•	4,793,282	Greenberg et al.		12/27/88	
•	4,797,316	Hecq et al.		1/10/89	
•	4,804,560	Shioya et al.		2/14/89	
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•	4,857,142	Syverson		8/15/89	
•	4,863,066	Uffenheimer et al.		9/5/89	
•	4,865,641	Sasse et al.		9/12/89	
•	4,871,417	Nishizawa et al.		10/3/89	
•	4,875,824	Moe et al.		10/24/89	
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•	4,932,353	Kawata et al.		6/12/90	
•	4,936,940	Kawasumi et al.		6/26/90	

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COMPLETE IF KNOWN

Application Number 09/893,315

Confirmation Number 2812

Filing Date 06/26/2001

First Named Inventor Timothy J. Reardon et al.

Group Art Unit 1734

Examiner Name

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Application Number	09/893,315
Confirmation Number	2812
Filing Date	06/26/2001
First Named Inventor	Timothy J. Reardon et al.
Group Art Unit	1734
Examiner Name	

Attorney Docket No. 29195.8161US

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIALS	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Kind Code Number (if known)				
GRQ	*	JPO	JP1-204427	Hitachi Ltd.	8/17/89		
	*	JPO	JP1-304732	Kubota Corp.	11/17/98		
	*	JPO	JP231330	Seiichirou.Sougou	11/16/85		
	*	JPO	JP3010-974	Matsushita Electric Ind. Co. Ltd.	8/15/79		
	*	JPO	JP45-40458		12/70		
	*	JPO	JP54-161275	Toshiba Corp.	12/20/79		
	*	JPO	JP54-71991	Matsushita Electronics Corp.	6/8/79		
	*	JPO	JP56-88320	Fujitsu Ltd.	7/17/81		
	*	JPO	JP58-19475	Asahi Chem. Ind. Co. Ltd.	2/4/83		
	*	JPO	JP59-166675	Fujitsu KK	9/20/84		
	*	JPO	JP61-148820	Hitachi Ltd.	7/7/86		

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

*EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T
GRQ	*	Moreau et al., "Wafer Cleaner System", IBM Technical Disclosure Bulletin, Vol. 19, No. 10, pp. 2905-2906 (Mar. 1972).	
	*	Beyer et al., "IBM Tech. Disc. Bull.", Etching of SiO ₂ in Gaseous HF/H ₂ O, Vol. 19, No. 7, Dec. 1976, p. 2513.	
	*	Van der Heide, P.A. M., et al., "Etching of Thin SiO ₂ Layers Using Wet HF Gas", J. Vac. Sci. Technol., A7(3), pp. 1719-1723, (May/Jun. 1989).	
	*	Burggraaf, Pieter, "Vapor-Phase Cleaning at Reduced Pressure", Semiconductor International, p. 36, (Dec. 1989).	
	*	Product Brochure, "Preliminary Product Information-EDGE 2000", Advantage, Production Technology Incorporated (1989).	

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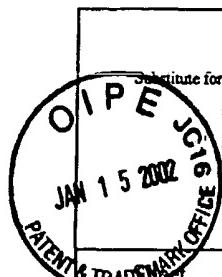
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				COMPLETE IF KNOWN		
				Application Number	09/893,315	
				Confirmation Number	2812	
				Filing Date	06/26/2001	
				First Named Inventor	Timothy J. Reardon et al.	
				Group Art Unit	1734	
				Examiner Name		
TRADE NAME		6	of	6	Attorney Docket No.	29195.8161US
GRK	*	"A Mechanism of Particle Generation and a Method to Suppress Particles in Vapor HF/H ₂ O System" in Shigeo Onishi, et al., Extended abstracts of the 22 nd (1990 International) Conference on Solid State Devices and Materials, Sendai, 1990, pp. 1127-1139.				
	*	IBM Technical Disclosure Bulletin Vol. 19, No. 7, p. 2574, Dec. 1976 "Process for Reducing Gold or Copper Wafer Contamination During Oxide Removal" by M. Briska, et al.				
	*	IBM Technical Disclosure Bulletin, Vol. 32, No. 1, June. 1989, "Upside-Down Resist Coating of Semiconductor Wafers".				

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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				Application Number	09/893,315	
				Confirmation Number	2812	
				Filing Date	06/26/2001	
				First Named Inventor	Timothy J. Reardon et al.	
				Group Art Unit	1734	
				Examiner Name		
1		of	5	Attorney Docket No.	29195.8161US	
U.S. PATENT DOCUMENTS						
*EXAMINER INITIALS	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
GK		3,641,973		Shrader	2/15/72	
		3,770,598		Creutz	11/6/73	
		3,798,056		Okinaka et al.	3/19/74	
		3,950,184		Adams et al.	4/13/76	
		3,962,047		Wagner	6/8/76	
		3,978,578		Murphy	9/7/76	
		4,027,686		Shortes et al.	6/7/77	
		4,092,176		Kozai et al.	5/30/78	
		4,110,176		Creutz, deceased et al.	8/29/78	
		4,113,492		Sato et al.	9/12/78	
		4,118,303		Gibbs	10/3/78	
		4,137,867		Aigo	2/6/79	
		4,170,959		Aigo	10/16/79	
		4,226,208		Nishida et al.	10/7/80	
		4,246,088		Murphy et al.	1/20/81	
		4,259,166		Whitehurst	3/31/81	
		4,280,882		Hovey	7/28/81	
		4,304,641		Grandia et al.	12/8/81	
		4,315,059		Raistrick et al.	2/9/82	
		4,336,114		Mayer et al.	6/22/82	
		4,339,313		Rechlicz	7/13/82	
		4,339,319		Aigo	7/13/82	
		4,341,613		Prusak et al.	7/27/82	
		4,351,266		Ando et al.	9/28/82	
		4,373,988		Bauer et al.	2/15/83	

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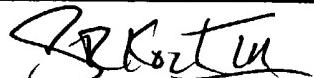
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		2 of 5		Attorney Docket No.
GR/le	4,376,685	Watson	3/15/83	
	4,405,416	Raistrick et al.	9/20/83	
	4,428,815	Powell et al.	1/31/84	
	4,435,266	Johnston	3/6/84	
	4,466,864	Bacon et al.	8/21/84	
	4,469,566	Wray	9/4/84	
	4,489,740	Rattan et al.	12/25/84	
	4,510,176	Cuthbert et al.	4/9/85	
	4,514,266	Cole et al.	4/30/85	
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	4,534,832	Doiron, Jr.	8/13/85	
	4,565,607	Hanak et al.	1/21/86	
	4,597,836	Schaer et al.	7/1/86	
	4,624,749	Black et al.	11/25/86	
	4,675,096	Tateishi et al.	6/23/87	
	4,693,805	Quazi	9/15/87	
	4,696,729	Santini	9/29/87	
	4,732,785	Brewer	3/22/88	
	4,750,505	Inuta et al.	6/14/88	
	4,827,867	Takei et al.	5/9/89	
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	4,838,978	Sekine et al.	6/13/89	
	4,838,979	Nishida et al.	6/13/89	
	4,856,456	Hillman et al.	8/15/89	
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	4,861,452	Stierman et al.	8/29/89	
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11/14/04

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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			Application Number	09/893,315	
			Confirmation Number	2812	
			Filing Date	06/26/2001	
			First Named Inventor	Timothy J. Reardon et al.	
			Group Art Unit	1734	
Examiner Name					
Sheet 3 of 5			Attorney Docket No.	29195.8161US	
GRK	4,879,007	Wong	11/7/89		
1	4,906,346	Hadersbeck et al.	3/6/90		
	4,924,890	Giles et al.	5/15/90		
	4,931,149	Stierman et al.	6/5/90		
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Application Number	09/893,315
Confirmation Number	2812
Filing Date	06/26/2001
First Named Inventor	Timothy J. Reardon et al.
Group Art Unit	1734
Examiner Name	

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					Group Art Unit	1734
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